

App1. No. 09/814,386
Amendment/Response
Reply to Office Action of
December 22, 2003

Page 5 of 12

Amendments to the Claims:

A clean version of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121(c) (3). This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A radio communication system, comprising:
having a communication channel between a primary station and a secondary station for transmission of information from one of the primary and secondary stations (the transmitting station) to the other station (the receiving station), wherein the transmitting station ~~has means for adjusting~~ is adapted to adjust its output power at a plurality of different rates, and the receiving station is adapted to determine, ~~has means for determining~~, from measurements of a time rate of change of received signal to interference ratio averaged over a predetermined period characteristics of signals received from the transmitting station, an appropriate rate of adjustment of the output power of the transmitting station and is adapted to communicate ~~means for communicating~~ said rate of adjustment to the transmitting station, and the transmitting station is adapted to set the adjustment rate ~~has means responsive in response~~ to communications from the receiving station for setting the adjustment rate of its output power.

2. (Cancelled)

3. A primary station for use in a radio communication system, comprising: having a communication channel between the primary station and a secondary station, wherein the primary station is adapted to determine ~~means are provided for~~

Appl. No. 09/814,386
Amendment/Response
Reply to Office Action of
December 22, 2003

Page 6 of 12

determining, from measurements of a time rate of change of received signal to interference ratio characteristics of signals received from the secondary station, an appropriate rate of adjustment of the output power of the secondary station, selected from one of a plurality of rates of adjustment available to the secondary station, and for communicating said rate of adjustment to the secondary station.

4. (Cancelled).

5. A primary station as claimed in claim 3, ~~characterised in that~~ wherein the time rate of change of received signal to interference ratio is averaged over a predetermined period of time, the measured characteristic of signals received from the secondary station is the rate of change of received signal to interference ratio averaged over a predetermined period.

6. (Currently Amended) A primary station as claimed in claim 3, ~~wherein~~ characterised in that communication to the secondary station of required changes in its rate of adjustment of output power is made after the measured signal characteristic has passed a threshold for a predetermined period.

7. (Currently Amended) A primary station as claimed in claim 4, ~~wherein~~ characterised in that further properties of the received signal are used to verify the rate of change of output power determined from the rate of change of received signal to interference ratio.

8. (Currently Amended) A primary station as claimed in claim 3, ~~wherein~~ characterised in that means are provided for determining the speed of the secondary station and for adjusting the determined appropriate rate of adjustment of

Appl. No. 09/814,386
Amendment/Response
Reply to Office Action of
December 22, 2003

Page 7 of 12

the output power of the secondary station depending in the speed of the secondary station.

9. (Currently Amended) A secondary station for use in a radio communication system, comprising:

~~having~~ a communication channel between the secondary station and a primary station, wherein the secondary station is adapted to determine, based on measurements of a time rate of change of received signal to interference ratio ~~wherein means are provided for determining, from measurements of characteristics of signals received from the primary station, an appropriate rate of adjustment of the output power of the primary station, selected from one of a plurality of rates of adjustment available to the primary station, and for communicating said rate of adjustment to the primary station.~~

10. (Currently Amended) A secondary station as claimed in claim 9, ~~characterised in that the measured characteristic of signals received from the primary station~~ is wherein the time rate of change of the received signal to interference ratio is averaged over a predetermined period.

11. (Currently Amended) A secondary station as claimed in claim 9, ~~characterised in that wherein~~ communication to the primary station of required changes in its rate of adjustment of output power is made after the measured signal characteristic has passed a threshold for a predetermined period.

12. (Currently Amended) A secondary station as claimed in claim 10, wherein ~~characterised in that~~ further properties of the received signal are used to verify the

Appl. No. 09/814,386

Page 8 of 12

Amendment/Response

Reply to Office Action of

December 22, 2003

rate of change of output power determined from the rate of change of received signal to interference ratio.

13. (Currently Amended) A method of operating a radio communication system, comprising:

having providing a communication channel between a primary station and a secondary station for transmission of information from one of the primary and secondary stations (the transmitting station) to the other station (the receiving station)[[.]]; ~~the method comprising the receiving station~~ determining at the receiving station, from measurements of a time rate of change of received signal to interference ratio characteristics of signals received from the transmitting station, an appropriate rate of adjustment of the output power of the transmitting station, selected from one of a plurality of rates of adjustment available to the transmitting station[[.]]; and communicating the determined rate of adjustment to the transmitting station, and in response the transmitting station, setting the adjustment rate of its output power.

14. (Currently Amended) A method as claimed in claim 13, ~~characterised by wherein~~ the time rate of change of received signal to interference ratio is averaged over a predetermined period of time, the measured characteristic of signals received from the transmitting station being the rate of change of received signal to interference ratio averaged over a predetermined period.